

NATPROC-USERS

File	191
Op-Sys	OS/390, VSE/ESA, BS2000/OSD
Statement	FIND / PROCESS
Task	Retrieve information about Entire System Server users and enable a user to be cancelled from the Entire System Server.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N3		D	
NODE-NAME	A16		D	
SYSTEM-MESSAGE-CODE	A10			
USER-ID	A8		D	
ADABAS-ID	B4		D	
NATPROC-ID	A4		D	
LAST-ACTIVITY	N5		D	
CPU	N5.2		D	
IO-COUNT	N7		D	
ADABAS-EXTENDED-ID	B28		D	
FULL-SCAN	A3		D	
INTERNAL-TASK	A3		D	
TASK-ID	A16		D	
FUNCTION	A8		D	

Additional Fields Supported for OS/390

Dictionary Field Name	F/L	Mu	DE	Remarks
CORE-USED	N7		D	
CORE-FREE	N7		D	
ORIGIN-JOBNAME	A8		D	
TCB-ADDRESS	B4		D	

Additional Fields Supported for VSE/ESA

Dictionary Field Name	F/L	Mu	DE	Remarks
CORE-USED	N7		D	Not yet available for OS/390/XA and ESA.
CORE-FREE	N7		D	Not yet available for OS/390/XA and ESA.

Additional Fields Supported for BS2000/OSD

Dictionary Field Name	F/L	Mu	DE	Remarks
JOB-ID	A5		D	
SYSTEM-CODE	B2		D	

Relevant Error Codes

Code	Text	OS/390	VSE/ESA	BS2000/OSD
600	Unknown function.	X	X	X
649	Entire System Server User not found or cannot be cancelled.	X	X	X

Field Descriptions

Field Name	Type/Length	Operating System
ADABAS-EXTENDED-ID	(B28)	OS/390, VSE/ESA, BS2000/OSD

Extended Adabas user ID (28 bytes).

Field Name	Type/Length	Operating System
ADABAS-ID	(B4)	OS/390, VSE/ESA, BS2000/OSD

The Adabas user ID.

Field Name	Type/Length	Operating System
CORE-FREE	(N7)	OS/390, VSE/ESA

Amount of free core in the address space (in Kbytes). This value is only returned for the MAIN entry. This field is not yet available for OS/390/XA and ESA systems.

Field Name	Type/Length	Operating System
CORE-USED	(N7)	OS/390, VSE/ESA

Amount of core used by task (in Kbytes). This field is not yet available for OS/390/XA and ESA systems.

Field Name	Type/Length	Operating System
CPU	(N5.2)	OS/390, VSE/ESA, BS2000/OSD

Amount of CPU consumed (format: SSSSS.HH).

Field Name	Type/Length	Operating System
FUNCTION	(A8)	OS/390, VSE/ESA, BS2000/OSD

Possible options:

Option	Explanation
CANCEL	Cancel user with the specified NATPROC-ID.
LASTERR	Get last error message.

If no function is specified, a list of Entire System Server users is given.

Field Name	Type/Length	Operating System
FULL-SCAN	(A3)	OS/390, VSE/ESA, BS2000/OSD

FULL-SCAN is considered for FUNCTION = ' ' only (display list of ESY users). If FULL-SCAN is set to 'YES', all internal Entire System Server tasks are returned additionally. If 'NO' or blank is supplied, only ESY users are returned.

Field Name	Type/Length	Operating System
INTERNAL-TASK	(A3)	OS/390, VSE/ESA, BS2000/OSD

Possible values:

- 'YES' if data of internal ESY task is returned.
- 'NO' if data of NATPROC-USER is returned.

Field Name	Type/Length	Operating System
IO-COUNT	(N7)	OS/390, VSE/ESA, BS2000/OSD

Number of I/O operations so far. This field is not filled up in OS/390/ESA environments. Under BS2000/OSD, this field always contains zero, if a Natural subtask is returned (see FULL-SCAN='YES').

Field Name	Type/Length	Operating System
JOB-ID	(A5)	BS2000/OSD

TSN of internal task in alpha format.

Field Name	Type/Length	Operating System
LAST-ACTIVITY	(N5)	OS/390, VSE/ESA, BS2000/OSD

Time elapsed since last activity (in seconds). Under BS2000/OSD, this field always contains zero, if a Natural subtask is returned (see FULL-SCAN='YES').

Field Name	Type/Length	Operating System
NATPROC-ID	(A4)	OS/390, VSE/ESA, BS2000/OSD

The unique internal ID in the Entire System Server.

Value 'Task' is returned for an internal task, value 'NAT' for a Natural subtask.

Field Name	Type/Length	Operating System
ORIGIN-JOBNAME	(A8)	OS/390

Name of TP system or batch job from which the user calls originate.

Field Name	Type/Length	Operating System
TASK-ID	(A16)	OS/390, VSE/ESA, BS2000/OSD

ID of the internal task is returned. This is usually the name of the load module or, if a NATURAL-SUB-TASK is returned, the NAT-USER data.

For VSE/ESA internal tasks, the phase name is returned in positions 1-8, and the task number is returned in positions 9-12.

Field Name	Type/Length	Operating System
TCB-ADDRESS	(B4)	OS/390

TCB address of the subtask.

Field Name	Type/Length	Operating System
USER-ID	(A8)	OS/390, VSE/ESA, BS2000/OSD

Possible values:

Value	Explanation
userid	The user ID.
-----	The user is not logged on.
***main	Entry for the Entire System Server main task.

Example:

```

FIND NATPROC-USERS WITH NODE      = 199
                        AND FULL-SCAN = 'YES'
                        AND FUNCTION = ' '
*
IF ERROR-CODE EQ 0
  IF #FIRST EQ 1
    WRITE 'LogonID  ESY  Task-ID          TSN    LastAct CPU used'
    WRITE 'IO count INTERNAL'
    WRITE ' _____'
    WRITE ' _____'
    ASSIGN #FIRST = 0
  END-IF
*
  WRITE USER-ID NATPROC-ID TASK-ID JOB-ID LAST-ACTIVITY (NL=6)
    CPU (NL=4.2) IO-COUNT (NL=7) INTERNAL-TASK
...

```

The following output is created:

LogonID	ESY	Task-ID	TSN	LastAct	CPU used	IO count	INTERNAL
TSOS	TASK	ESYCONS	3UG0	6	481.37	51	YES
TSOS	TASK	ESYEVTM	3809	0	65.46	38	YES
TSOS	TASK	ESYMAIN	3807	0	185.95	230	YES
TSOS	TASK	ESYSERV	3808	27	203.93	2783	YES
TSOS	TASK	ESYSERV	381I	0	274.54	621	YES
TSOS	NAT	NOMXTS0006300038	381E	0	67.31	0	YES
TSOS	NAT	NOM02S0006300038	381G	0	24.32	0	YES
TSOS	NAT	NOM03S0006300038	381H	0	162.89	0	YES
TSOS	0010			37	15.44	0	NO
TSOS	0011			11	241.62	208	NO
DC1	0017			0	0.02	0	NO
WOS	0007			27	137.48	0	NO